

IN THE SPECIFICATION

Please replace paragraph 40 with the following:

[0040] Referring again to Fig. 1, beneficial material 10 comprises support material 14 and reactive material 16. Support material 14 may comprise a variety of materials, including, but not limited to anion exchange membranes, cation exchange membranes, Nafion, a registered trademark of the E. I. Du Pont De Nemours and Company Corporation for polymer membranes, Nasicon, as well as other ionomers. As will be appreciated by those of skill in the art, the term "Nafion" may be used synonymously with polymer membranes throughout this specification. Reactive material 16 may comprise a variety of different materials, including, but not limited to noble metal compounds (i.e. compounds of Ag, Au, Pt, Cu, Al, Pd, Rh, Ir, Ru, among others) as well as halogens (F, Cl, I, Br) which are ion exchanged into the support material. In other embodiments, beneficial material 10 may comprise a cationic membrane (i.e. ion exchanged with a noble metal ion). Examples of the foregoing ion exchanged membranes comprise Cu-Nasicon; Cu-Nafion; Ag-Nasicon; Ag-Nafion; Au-Nasicon; Au-Nafion; I₂-Anion Membranes, Br₂-Anion Membranes, to name a few.